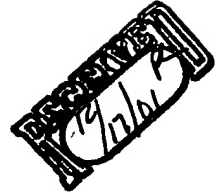


IBM CORPORATION  
INTELLECTUAL PROPERTY LAW DEPARTMENT  
11400 BURNET ROAD  
AUSTIN, TEXAS 78758  
FAX # 512-823-1036

Official



DATE: 12/17/2001

Number of Pages to Follow (including cover sheet) 41

SEND TO: United States Patent Office

Examiner: Charles L. Rones

Group Art Unit: 2171

Tel No: 703-306-3030

Fax #: 703-746-7238

FROM: Patsy Spears

Tel No: 512-823-1008

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Docket No. AT9-98-340Serial No. 09/190,554Atty: Leslie Van LeeuwenApplicant: Peter Y. Hsu☒ Transmittal Letter (2 copies)☒ Certificate of Facsimile☐ Amendment☐ Notice of Appeal☐ Amendment AF☒ Appeal Brief (3 copies)☐ Ext. of Time☐ Reply Brief☐ IDS Statement☐ Change of Address☐ Other

Deposit Acct. No. 09-0447

Fees: Amendment \_\_\_\_\_ Notice of Appeal \_\_\_\_\_ Appeal Brief \$320.00 Other \_\_\_\_\_

PATENT  
09/190,554

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: : Group Art Unit: 2171  
: Examiner: Rones, C..  
Peter Y. Hsu et al. : Intellectual Property  
Serial No: 09/190,554 : Law Department - 4054  
Filed: November 12, 1998 : International Business  
Title: BOOKMARKING OF WEB : Machines Corporation  
PAGE FRAMES IN WORLD WIDE WEB : 11400 Burnet Road  
FOR ACCESSING WEB PAGES : Austin, Texas 78758  
WITHIN A FRAMES IMPLEMENTATION:  
Date: Dec. 17, 2001 :

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being transmitted via facsimile to USPTO, Group Art Unit 2171 at telephone number 703-746-7238, and to the attention of Examiner Charles L. Rones on December 17, 2001.

PATSY SPEARS  
Patsy Spears  
Signature \_\_\_\_\_ Date \_\_\_\_\_

TRANSMITTAL OF APPELLANTS' BRIEF UNDER 37 CFR 1.192(a)

Assistant Commissioner of Patents  
Washington, D.C. 20231

Sir:

Attached is Appellants' Brief, in triplicate, from a decision of the Examiner dated July 26, 2001 finally rejecting Claims 1-21.

Please charge my Deposit Account No. 09-0447 in the amount of \$320.00.

The Commissioner is hereby authorized to charge any additional fee which may be required or credit any overpayment to Deposit Account No. 09-0447. A duplicate copy of this document is included.

AT9-98-340

1

Docket No: AT9-98-340  
Telephone No:  
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Austin, Texas 78758

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: : Group Art Unit: 2171  
: Examiner: Rones, C..  
Peter Y. Hsu et al. : Intellectual Property  
Serial No: 09/190,554 : Law Department - 4054  
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Date: Dec. 17, 2001 :

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being transmitted via facsimile to USPTO, Group Art Unit 2171 at telephone number 703-746-7238, and to the attention of Examiner Charles L. Rones on December 17, 2001.

PATSY SPEARS  
Patsy Spears  
Signature \_\_\_\_\_

Date \_\_\_\_\_

TRANSMITTAL OF APPELLANTS' BRIEF UNDER 37 CFR 1.192(a)

Assistant Commissioner of Patents  
Washington, D.C. 20231

Sir:

Attached is Appellants' Brief, in triplicate, from a decision of the Examiner dated July 26, 2001 finally rejecting Claims 1-21.

Please charge my Deposit Account No. 09-0447 in the amount of \$320.00.

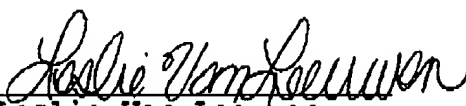
The Commissioner is hereby authorized to charge any additional fee which may be required or credit any overpayment to Deposit Account No. 09-0447. A duplicate copy of this document is included.

AT9-98-340

1

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09/190,554

Respectfully submitted,

By   
Leslie Van Leeuwen  
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IBM Corporation - 4054  
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Austin, Texas 78758

Docket No: AT9-98-340  
Telephone No:  
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AT9-98-340

2

PATENT  
09/190,554

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: : Group Art Unit: 2171  
: Examiner: Rones, C..  
Peter Y. Hsu et al. : Intellectual Property  
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WITHIN A FRAMES IMPLEMENTATION:  
Date: Dec 17, 2001 :

APPEAL BRIEF

Assistant Commissioner of Patents  
Washington, D.C. 20231  
Sir:

This is an Appeal from the Final Rejection of Claims 1-21 of this Application. An Appendix containing a copy of each of the claims is attached.

I. Real Party in Interest

The real party in interest is International Business Machines Corporation, the assignee of the present Application.

II. Related Appeals and Interferences

None.

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### III. Status of Claims

#### **A. TOTAL NUMBER OF CLAIMS IN APPLICATION**

There are 21 claims in this Application.

#### **B. STATUS OF ALL THE CLAIMS**

1. Claims cancelled: None.
2. Claims withdrawn from consideration but not cancelled: None.
3. Claims pending: None.
4. Claims allowed: None.
5. Claims rejected: Claims 1-21.

#### **C. CLAIMS ON APPEAL**

Claims on appeal: Claims 1-21.

### IV. Status of Amendment

Claims 1-21 were in the filed Application.

Claims 1 through 21 in this Application were first rejected in an Office Action mailed September 26, 2000.

Applicants filed a Response on December 19, 2000.

Claims 1-21 were again rejected in a Office Action mailed March 13, 2001.

Applicants filed an Amendment on June 8, 2001 which amended the claims to their current state.

The claims were finally rejected in a Final Rejection mailed July 26, 2001.

Applicants submitted a Response after Final Rejection filed August 30, 2001.

The Final Rejection of Claims 1-21 was maintained in an Advisory Office Action mailed October 23, 2001.

Claims 1-21 are now on Appeal.

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#### V. Summary of Invention

The claims on Appeal relate to well known art of bookmarking of documents transmitted to receiving stations from remote stations which are the document sources in a network such as the World Wide Web. The invention provides a system, method, and program whereby a user may easily bookmark sections of a network, e.g. Web transmitted document. The user then has the option of bookmarking the whole received document or just sections of the received document. The invention provides the document or Web page creator with the facility of defining one or more sections of the document or Web page as independent secondary documents together with the facility at the receiving display station for optionally bookmarking any secondary document to thereby store at the receiving display station, a direct link to the secondary document without accessing and first passing through the basic transmitted document.

In understanding the present invention, and its substantial differences from the teaching of Mantha, we must remain focused on the primary purpose of the whole bookmarking art: to avoid storing at the local or receiving facility extensive or lengthy documents of interest. With a bookmark, all that need be stored at the local or receiving station is the bookmark link to the document which remains stored at the remote or source network station. Accordingly, the present invention provides the user with the further means for defining sections of a lengthy Web document or page and for individually bookmarking such defined sections. This enables the user to be linked directly to the Web document area or section of interest to him without going through the process of bookmarking and thereby accessing the entire long Web document, and then going through the page until the area of interest is reached.

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#### VI. Issues

Whether Claims 1-21 are unpatentable under 35 U.S.C. 102(e) as anticipated by Mantha et al. (U.S. 6,163,779).

#### VII. Grouping of Claims

All of the claims stand or fall together.

#### VIII. Argument

Claims 1-21 are not anticipated by Mantha et al. (U.S. 6,163,779), and thus are patentable under 35 U.S.C. 102(e).

Mantha is not concerned with defining such secondary sections within network or Web documents for the purpose of creating bookmarks to secondary documents. Mantha does describe various functions involving the bookmarking of Web pages. However, all such considerations involve conventional bookmarking. Nowhere in the Mantha descriptions involving bookmarking is the concept of creating and bookmarking of secondary documents created out of sections.

With respect to the teaching of Mantha, it must be understood that while Mantha may incidentally mention conventional bookmarking, it is in no way connected to the primary teaching of Mantha: the saving of a Web page on a receiving station's local hard drive. Local storage of received documents at the receiving station is the very function that bookmarking is devised to avoid.

The Web page which Mantha saves on the receiving station's local hard drive includes the standard HTML text, embedded files such as image, sound or video as well as hyperlinks to other documents. In order to facilitate or optimize the local storage of the Web page, Mantha appears to separate and store the embedded image, sound, and video



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files apart from HTML content of the Web page but all are stored on local hard drive storage. This type of separation of portions of a Web page for local storage convenience is submitted to be in no way suggestive of Applicants' invention of creating secondary document out of whole sections of Web pages and assigning bookmarks linking to the remote sources of such secondary documents on the Web.

All of the present claims distinguish the bookmarking of such secondary documents to link remote network or Web locations from whatever Mantha is doing strictly with the local hard drive storage at the local receiving network station.

In the various examples throughout the Mantha reference, the user is given options of conventionally bookmarking the received document. Applicants submit that if the teaching of Mantha were to be even suggestive of the bookmarking of secondary documents of the present invention, would not one skilled in the art have reasonably expected to have such concepts disclosed or suggested in connection with these conventional bookmarking functions.

Claims 5 through 7 have further patentability over Mantha in that they set forth that the bookmarked secondary document is formed by frames within the primary Web page. The Examiner points to Col. 11, lines 24-40 of Mantha as teaching this concept. What Mantha discloses here is that in organizing the locally stored copy of the Web page, files in the page such as audio, image or video are delimited within frames of the HTML structure. These Mantha files are not secondary HTML documents as defined in these claims. They are non-HTML types of files which are embedded into the basic HTML document via the frames so that they may be stored locally on the hard drive within the HTML document. In any event, since files are stored locally, how can anything associated with the files be said to disclose not the local storage of a secondary document but the creation

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of a bookmark to the secondary document which according to the present invention is at a remote network location, and not a local location.

Finally, Applicants fail to find anything in the sections cited by Examiner which is even remotely suggestive of the further limitation in claims 7, 14 and 21 that the basic transmitted Web document may be accessed through the bookmarked secondary document. As set forth above if the Examiner is somehow equating the embedded audio/video/image files with the present bookmarked secondary documents, then there is no suggestion that the basic HTML pages in Mantha may be accessed through such embedded files.


Applicants submit that any doubt that Mantha fails to disclose any equivalency between the locally stored Web pages which the Examiner is relying on, and any type of bookmarked documents should be satisfied by a reading of Fig. 7C and its descriptive material at col. 9, lines 20-36. On this browser status list, the one "Copy" type of document which is stored locally and is the subject of the Examiner's citations in Mantha's disclosure is distinguished from the other listed "Bookmark" documents.

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IX. Conclusion

In view of the foregoing, Applicants submit Claims 1-21 are not anticipated by Mantha al. (U.S. 6,163,779), and thus are patentable under 35 U.S.C. 102(e). Accordingly, it is respectfully requested the Rejection be reversed, and Claims 1-21 be held to be patentable.

Respectfully submitted,

  
J. B. Kraft  
Registration No. 19,226  
Attorney for Applicants  
(512) 473-2303

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Austin, Texas 78758

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APPENDIX

Claims on Appeal

1. In a computer managed communication network with user access via a plurality of data processor controlled interactive display stations and with a system for displaying documents transmitted to said display stations from locations remote from said stations, a system for bookmarking sections of said transmitted documents comprising:

means associated with one of said receiving display stations for bookmarking selected transmitted documents to thereby store at said receiving display station, direct links to the documents at said remote locations for future access,

means in a transmitted document defining at least one section in the document as an independent secondary document, and

means at said receiving display station for bookmarking said secondary document to thereby store at said receiving display station, a direct link to the secondary document at one of said remote locations, said link circumventing said transmitted document.

2. The system of claim 1 wherein said network is the World Wide Web.

3. The system of claim 2 wherein the transmitted documents are hypertext documents.

4. The system of claim 3 wherein the transmitted documents are Web pages in Hypertext Markup Language.

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5. The system of claim 4 wherein said secondary document is defined by frames within a Web page and is also in Hypertext Markup Language.

6. The system of claim 5 further including:

means for displaying a list of said bookmarked documents, and

means for adding said secondary bookmarked documents to said list.

7. The system of claim 5 further including:

means for accessing and displaying said secondary documents via said direct link, and

means for maintaining connections between said secondary documents and said transmitted documents, whereby said transmitted documents may be accessed and displayed through said accessed secondary documents.

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8. In a computer managed communication network with user access via a plurality of data processor controlled interactive display stations and with a system for displaying documents transmitted to said display stations from locations remote from said stations, a method for bookmarking sections of said transmitted documents comprising:

bookmarking at one of said receiving display stations selected transmitted documents to thereby store at said receiving display station, direct links to the documents at said remote locations for future access,

defining in a transmitted document at least one section as an independent secondary document, and

bookmarking said secondary document at said receiving display station to thereby store at said receiving display station, a direct link to the secondary document at one of said remote locations without accessing said transmitted document.

9. The method of claim 8 wherein said network is the World Wide Web.

10. The method of claim 9 wherein the transmitted documents are hypertext documents.

11. The method of claim 10 wherein the transmitted documents are Web pages in Hypertext Markup Language.

12. The method of Claim 11 wherein said secondary document is defined by frames within a Web page and is also in Hypertext Markup Language.

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13. The method of claim 12 further including the step of:  
displaying a list of said bookmarked documents, and  
adding said secondary bookmarked documents to said  
list.
14. The method of claim 12 further including the steps of:  
accessing and displaying said secondary documents via  
said direct link, and  
maintaining connections between said secondary  
documents and said transmitted documents, whereby said  
transmitted documents may be accessed and displayed through  
said accessed secondary documents.
15. A computer program having code recorded on a computer  
readable medium for bookmarking sections of transmitted  
documents in a computer managed communication network with  
user access via a plurality of data processor controlled  
interactive display stations and with a system for  
displaying documents transmitted to said display stations  
from locations remote from said stations comprising:  
means for bookmarking selected transmitted documents to  
thereby store at a receiving display station, direct links  
to the documents at said remote locations for future access,  
means in a transmitted document defining at least one  
section in the document as an independent secondary  
document, and  
means for bookmarking said secondary document to  
thereby store at said receiving display station, a direct  
link to the secondary document at one of said remote  
locations without accessing said transmitted document.
16. The computer program of claim 15 wherein said network  
is the World Wide Web.

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17. The computer program of claim 16 wherein the transmitted documents are hypertext documents.

18. The computer program of claim 17 wherein the transmitted documents are Web pages in Hypertext Markup Language.

19. The computer program of claim 18 wherein said secondary document is defined by frames within a Web page and is also in Hypertext Markup Language.

20. The computer program of claim 19 further including:  
means for displaying a list of said bookmarked documents, and  
means for adding said secondary bookmarked documents to said list.

21. The computer program of claim 19 further including:  
means for accessing and displaying said secondary documents via said direct link, and  
means for maintaining connections between said secondary documents and said transmitted documents, whereby said transmitted documents may be accessed and displayed through said accessed secondary documents.



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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: : Group Art Unit: 2171  
: Examiner: Rones, C..  
Peter Y. Hsu et al. : Intellectual Property  
Serial No: 09/190,554 : Law Department - 4054  
Filed: November 12, 1998 : International Business  
Title: BOOKMARKING OF WEB : Machines Corporation  
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FOR ACCESSING WEB PAGES : Austin, Texas 78758  
WITHIN A FRAMES IMPLEMENTATION:  
Date: Dec 17, 2001 :

APPEAL BRIEF

Assistant Commissioner of Patents  
Washington, D.C. 20231  
Sir:

This is an Appeal from the Final Rejection of Claims 1-21 of this Application. An Appendix containing a copy of each of the claims is attached.

I. Real Party in Interest

The real party in interest is International Business Machines Corporation, the assignee of the present Application.

II. Related Appeals and Interferences

None.

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09/190,554

### III. Status of Claims

#### A. TOTAL NUMBER OF CLAIMS IN APPLICATION

There are 21 claims in this Application.

#### B. STATUS OF ALL THE CLAIMS

1. Claims cancelled: None.
2. Claims withdrawn from consideration but not cancelled: None.
3. Claims pending: None.
4. Claims allowed: None.
5. Claims rejected: Claims 1-21.

#### C. CLAIMS ON APPEAL

Claims on appeal: Claims 1-21.

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Claims 1-21 were in the filed Application.

Claims 1 through 21 in this Application were first rejected in an Office Action mailed September 26, 2000.

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09/190,554

#### V. Summary of Invention

The claims on Appeal relate to well known art of bookmarking of documents transmitted to receiving stations from remote stations which are the document sources in a network such as the World Wide Web. The invention provides a system, method, and program whereby a user may easily bookmark sections of a network, e.g. Web transmitted document. The user then has the option of bookmarking the whole received document or just sections of the received document. The invention provides the document or Web page creator with the facility of defining one or more sections of the document or Web page as independent secondary documents together with the facility at the receiving display station for optionally bookmarking any secondary document to thereby store at the receiving display station, a direct link to the secondary document without accessing and first passing through the basic transmitted document.

In understanding the present invention, and its substantial differences from the teaching of Mantha, we must remain focused on the primary purpose of the whole bookmarking art: to avoid storing at the local or receiving facility extensive or lengthy documents of interest. With a bookmark, all that need be stored at the local or receiving station is the bookmark link to the document which remains stored at the remote or source network station. Accordingly, the present invention provides the user with the further means for defining sections of a lengthy Web document or page and for individually bookmarking such defined sections. This enables the user to be linked directly to the Web document area or section of interest to him without going through the process of bookmarking and thereby accessing the entire long Web document, and then going through the page until the area of interest is reached.

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#### VI. Issues

Whether Claims 1-21 are unpatentable under 35 U.S.C. 102(e) as anticipated by Mantha et al. (U.S. 6,163,779).

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All of the claims stand or fall together.

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The Web page which Mantha saves on the receiving station's local hard drive includes the standard HTML text, embedded files such as image, sound or video as well as hyperlinks to other documents. In order to facilitate or optimize the local storage of the Web page, Mantha appears to separate and store the embedded image, sound, and video

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09/190,554

files apart from HTML content of the Web page but all are stored on local hard drive storage. This type of separation of portions of a Web page for local storage convenience is submitted to be in no way suggestive of Applicants' invention of creating secondary document out of whole sections of Web pages and assigning bookmarks linking to the remote sources of such secondary documents on the Web.

All of the present claims distinguish the bookmarking of such secondary documents to link remote network or Web locations from whatever Mantha is doing strictly with the local hard drive storage at the local receiving network station.

In the various examples throughout the Mantha reference, the user is given options of conventionally bookmarking the received document. Applicants submit that if the teaching of Mantha were to be even suggestive of the bookmarking of secondary documents of the present invention, would not one skilled in the art have reasonably expected to have such concepts disclosed or suggested in connection with these conventional bookmarking functions.

Claims 5 through 7 have further patentability over Mantha in that they set forth that the bookmarked secondary document is formed by frames within the primary Web page. The Examiner points to Col. 11, lines 24-40 of Mantha as teaching this concept. What Mantha discloses here is that in organizing the locally stored copy of the Web page, files in the page such as audio, image or video are delimited within frames of the HTML structure. These Mantha files are not secondary HTML documents as defined in these claims. They are non-HTML types of files which are embedded into the basic HTML document via the frames so that they may be stored locally on the hard drive within the HTML document. In any event, since files are stored locally, how can anything associated with the files be said to disclose not the local storage of a secondary document but the creation

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of a bookmark to the secondary document which according to the present invention is at a remote network location, and not a local location.

Finally, Applicants fail to find anything in the sections cited by Examiner which is even remotely suggestive of the further limitation in claims 7, 14 and 21 that the basic transmitted Web document may be accessed through the bookmarked secondary document. As set forth above if the Examiner is somehow equating the embedded audio/video/image files with the present bookmarked secondary documents, then there is no suggestion that the basic HTML pages in Mantha may be accessed through such embedded files.


Applicants submit that any doubt that Mantha fails to disclose any equivalency between the locally stored Web pages which the Examiner is relying on, and any type of bookmarked documents should be satisfied by a reading of Fig. 7C and its descriptive material at col. 9, lines 20-36. On this browser status list, the one "Copy" type of document which is stored locally and is the subject of the Examiner's citations in Mantha's disclosure is distinguished from the other listed "Bookmark" documents.

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IX. Conclusion

In view of the foregoing, Applicants submit Claims 1-21 are not anticipated by Mantha al. (U.S. 6,163,779), and thus are patentable under 35 U.S.C. 102(e). Accordingly, it is respectfully requested the Rejection be reversed, and Claims 1-21 be held to be patentable.

Respectfully submitted,

  
J. B. Kraft  
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PATENT  
09/190,554

APPENDIX

Claims on Appeal

1. In a computer managed communication network with user access via a plurality of data processor controlled interactive display stations and with a system for displaying documents transmitted to said display stations from locations remote from said stations, a system for bookmarking sections of said transmitted documents comprising:

means associated with one of said receiving display stations for bookmarking selected transmitted documents to thereby store at said receiving display station, direct links to the documents at said remote locations for future access,

means in a transmitted document defining at least one section in the document as an independent secondary document, and

means at said receiving display station for bookmarking said secondary document to thereby store at said receiving display station, a direct link to the secondary document at one of said remote locations, said link circumventing said transmitted document.

2. The system of claim 1 wherein said network is the World Wide Web.

3. The system of claim 2 wherein the transmitted documents are hypertext documents.

4. The system of claim 3 wherein the transmitted documents are Web pages in Hypertext Markup Language.



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5. The system of claim 4 wherein said secondary document is defined by frames within a Web page and is also in Hypertext Markup Language.

6. The system of claim 5 further including:

means for displaying a list of said bookmarked documents, and

means for adding said secondary bookmarked documents to said list.

7. The system of claim 5 further including:

means for accessing and displaying said secondary documents via said direct link, and

means for maintaining connections between said secondary documents and said transmitted documents, whereby said transmitted documents may be accessed and displayed through said accessed secondary documents.

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8. In a computer managed communication network with user access via a plurality of data processor controlled interactive display stations and with a system for displaying documents transmitted to said display stations from locations remote from said stations, a method for bookmarking sections of said transmitted documents comprising:

bookmarking at one of said receiving display stations selected transmitted documents to thereby store at said receiving display station, direct links to the documents at said remote locations for future access,

defining in a transmitted document at least one section as an independent secondary document, and

bookmarking said secondary document at said receiving display station to thereby store at said receiving display station, a direct link to the secondary document at one of said remote locations without accessing said transmitted document.

9. The method of claim 8 wherein said network is the World Wide Web.

10. The method of claim 9 wherein the transmitted documents are hypertext documents.

11. The method of claim 10 wherein the transmitted documents are Web pages in Hypertext Markup Language.

12. The method of Claim 11 wherein said secondary document is defined by frames within a Web page and is also in Hypertext Markup Language.

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13. The method of claim 12 further including the step of:  
displaying a list of said bookmarked documents, and  
adding said secondary bookmarked documents to said  
list.
14. The method of claim 12 further including the steps of:  
accessing and displaying said secondary documents via  
said direct link, and  
maintaining connections between said secondary  
documents and said transmitted documents, whereby said  
transmitted documents may be accessed and displayed through  
said accessed secondary documents.
15. A computer program having code recorded on a computer  
readable medium for bookmarking sections of transmitted  
documents in a computer managed communication network with  
user access via a plurality of data processor controlled  
interactive display stations and with a system for  
displaying documents transmitted to said display stations  
from locations remote from said stations comprising:  
means for bookmarking selected transmitted documents to  
thereby store at a receiving display station, direct links  
to the documents at said remote locations for future access,  
means in a transmitted document defining at least one  
section in the document as an independent secondary  
document, and  
means for bookmarking said secondary document to  
thereby store at said receiving display station, a direct  
link to the secondary document at one of said remote  
locations without accessing said transmitted document.
16. The computer program of claim 15 wherein said network  
is the World Wide Web.

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17. The computer program of claim 16 wherein the transmitted documents are hypertext documents.
18. The computer program of claim 17 wherein the transmitted documents are Web pages in Hypertext Markup Language.
19. The computer program of claim 18 wherein said secondary document is defined by frames within a Web page and is also in Hypertext Markup Language.
20. The computer program of claim 19 further including:  
    means for displaying a list of said bookmarked documents, and  
    means for adding said secondary bookmarked documents to said list.
21. The computer program of claim 19 further including:  
    means for accessing and displaying said secondary documents via said direct link, and  
    means for maintaining connections between said secondary documents and said transmitted documents, whereby said transmitted documents may be accessed and displayed through said accessed secondary documents.